Horizontal and Vertical Distance (Work in pairs please)

Students Name: 1._____2._____

Remember we always identify *x* then *y*. Move right then up!

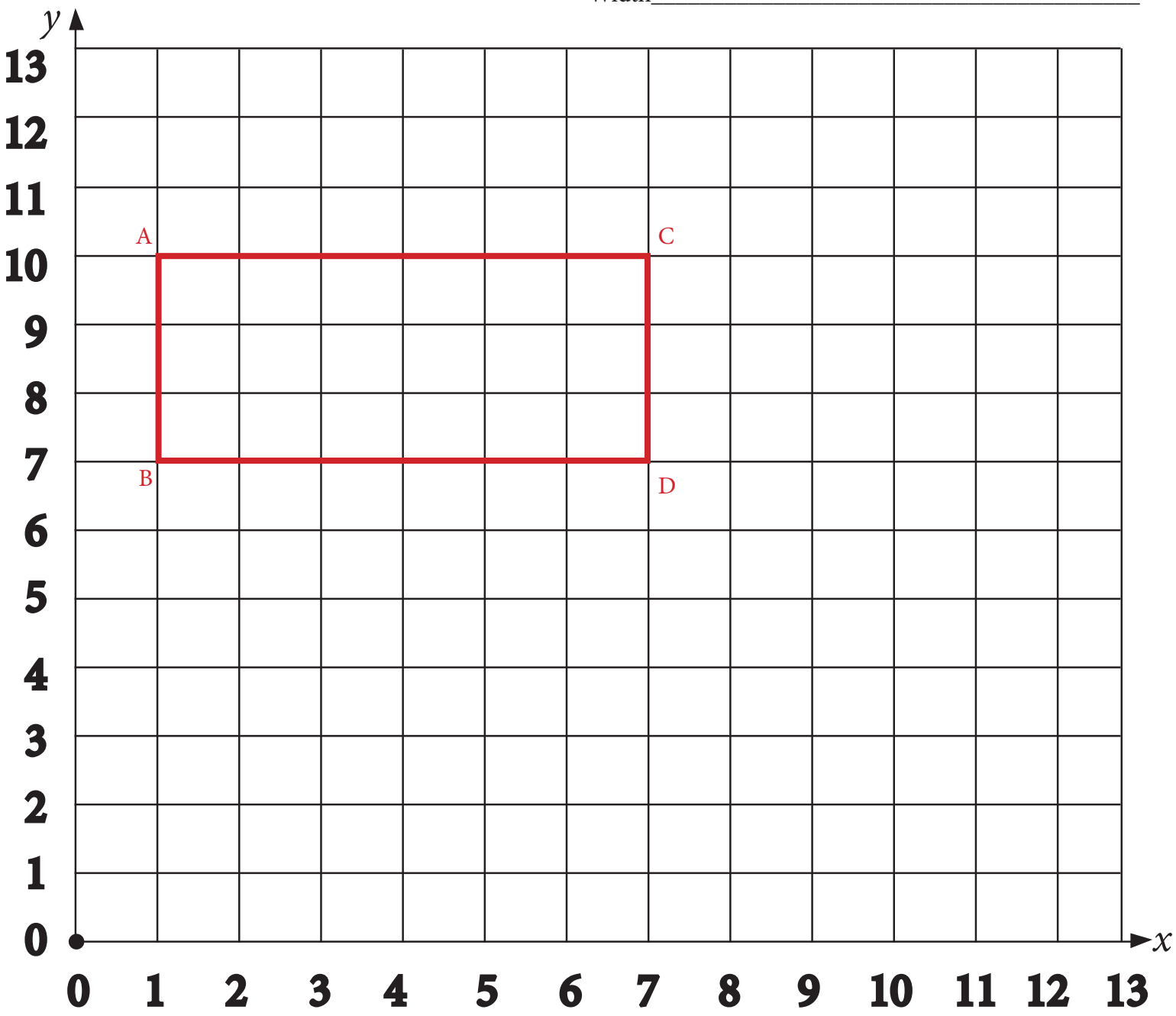
1. Plot a point at (1,10). Label the Point A.
2. Plot a point at (1,7). Label the point B.
3. Plot a point at (8,10). Label the point C.
4. Plot a point at (8,7). Label the point D.

Connect the point to form a rectangle (quadrilateral).

5. Explain how subtraction can be used to find the lengths of the line segments AB and AC. Answer on back. Then give a real world example of when we might need to use this.

6. In the coordinate plane shown below, draw a rectangle that is not a square. Please write the ordered pairs for the vertices (the vertical lines) of the rectangle.

7. Write a subtraction number sentence to represent the length of the rectangle, and write a subtraction number sentence to represent its width.

Length_____

Width_____